

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Previously presented): A method for producing concrete elements, particularly semi-finished concrete products, the method comprising:

filling a first layer of concrete mass into a formwork and allowing the first layer to set, resulting in at least a semi-set first layer of concrete mass;

placing a reinforcing mesh onto the semi-set first layer, wherein the reinforcing mesh consists of conventional welded wire mesh;

filling a second layer of concrete mass into the formwork on top of the first layer and the reinforcing mesh and allowing the second layer to set, resulting in at least a semi-set second layer of concrete mass;

pressing modules (200, 300, 400, 500) comprising a plurality of adjacently arranged displacers, the displacers comprising one of plastic balls (240) or plastic shells (440), into the semi-set second layer, wherein the plurality of adjacently arranged displacers (240, 440) is respectively arranged in a lattice-work (230, 330, 430, 530) of rods;

allowing the first and second concrete masses to set and removing the resulting semi-finished product from the formwork,

wherein the lattice-work is open toward one side, the one side being downward, wherein lattices of the lattice-work that are situated adjacent to this open side are inclined relative to a lattice of the lattice-work that is situated opposite of this open side by an angle of approximately 90° to 120°, and wherein the modules are produced by caging the displacers (120, 340, 440, 540) in the lattice-work (230, 330, 430, 530), such that at least part of the lattices extend beyond the displacers on the downward side of the lattice-work.

2. (Previously presented) A method for producing concrete elements, particularly semi-finished concrete products, comprising the steps:

placing reinforcing elements comprising lattice-like reinforcing elements into a formwork,

filling a layer of concrete mass into the formwork and allowing it to set to become a workable semi-set layer of concrete mass;

pressing modules (200, 300, 400, 500) comprising a plurality of adjacently arranged displacers the displacers comprising one of plastic balls (240) or plastic shells (440), into the semi-set layer, wherein the plurality of adjacently arranged displacers (240, 340, 440, 540) is respectively arranged in a lattice-work (230, 330, 430, 530) of rods,

allowing the layer of concrete mass to set and the resulting semi-finished product is removed from the formwork,

wherein the lattice-work is open toward one side, the one side being downward, wherein lattices of the lattice-work situated adjacent to this open side are inclined relative to a lattice of the lattice-work situated opposite of this open side by an angle of approximately 90° to 120°, and wherein the modules are produced by caging the displacers (240, 340, 440, 540) in the lattice-work (230, 330, 430, 530), such that at least part of the lattices extend beyond the displacers on the downward side of the lattice-work.

3. (Previously presented) The method according to Claim 1 or 2, characterized in that the modules (200, 300, 400) are produced from welded wire mesh sections that are cut to size, namely by respectively bending a lattice-work (230, 330, 430, 530).

4. (Previously presented) The method according to Claim 1 or 2, characterized in that the modules are produced from downwardly open lattice constructions that respectively feature an essentially triangular construction on sides of the lattice-work.

5. (Previously presented) The method according to Claim 4, characterized in that the lateral rod constructions on one side of the lattice-work are offset relative to the other side of the lattice-work by approximately half the width of the triangular construction.

6. (Previously presented) The method according to one of Claims 1-2, characterized in that the modules comprise plastic parts.

7. (Previously presented) The method according to one of Claims 1-2, characterized in that the modules comprise shells.

8. (Previously presented) The method according to one of Claims 1-2, characterized in that the displacers have at least one of a flat upper side and/or lower side.

9. (Previously presented) The method according to one of Claims 1-2, characterized in that the displacers are downwardly open.

10. (Previously presented) The method according to one of Claims 1-2, characterized in that part of the displacers (240) upwardly protrudes from the lattice-work (230).

11. (Previously presented) The method according to one of Claims 1-2, characterized in that several modules (200, 300, 400, 500) are pressed into the semi-set concrete mass parallel to one another.

12. (Previously presented) The method according to Claim 2, characterized in that the reinforcing elements or the reinforcing mesh are interconnected in order to be fixed.

13. (Cancelled)

14. (Previously presented) The method according to one of Claims 1-2, characterized in that a space remaining between the displacers (240) and lower reinforcing meshes is filled with concrete mass.

15. (Previously presented) A semi-finished concrete product produced by means of a method according to one of Claims 1-2.

16. (Previously presented) A method for producing concrete elements, particularly concrete slabs, wherein a semi-finished concrete product produced according to the method of one of Claims 1-2 is additionally processed, namely with the steps that at least one additional concrete layer is applied onto the semi-finished product, wherein an uppermost concrete layer then forms an upper side of the finished concrete element, preferably a finished concrete plate.

17. (Previously presented) A module (200, 300, 400, 500) for producing concrete elements, particularly semi-finished concrete products, or concrete slabs, comprising a plurality of adjacently arranged displacers comprising plastic balls (240) or plastic shells (440), for being pressed into a semi-set concrete layer, wherein the plurality of adjacently arranged displacers (240, 340, 440, 540) is respectively arranged in a lattice-work (230, 330, 430, 530) of rods, and the lattice-work (230, 330, 430, 530) is open toward one side, wherein lattices of the lattice-work situated adjacent to this open side are inclined relative to a lattice of the lattice-work situated opposite of this open side by an angle of approximately 90° to 135°, characterized in that the module (500) is produced from open lattice constructions that respectively feature an essentially triangular rod construction on sides thereof, and lateral rod constructions on each of the sides are offset by approximately half the width of the triangular rod construction.

18. (Previously presented) The module for producing concrete elements according to Claim 17, characterized in that at least a part of the displacers (240) protrudes from the lattice-work (230).

19. (Previously presented) The module for producing concrete elements according to Claim 17, characterized in that the modules (200, 300, 400, 500) are produced from welded wire mesh sections that are cut to size, comprising wire mesh arrangements with definite dimensions, by respectively bending a lattice-work (230) and caging the displacers (240, 340, 440) in the thusly bent lattice-work (230).

20. (Cancelled)

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21. (Cancelled)

22. (Cancelled)

23. (Previously presented) The module according to Claim 17, characterized in that the modules comprise shells.

24. (Previously presented) The module according to Claim 17, characterized in that the displacers have a flat or flattened upper side/or lower side.

25. (Previously presented) The module according to Claim 17, characterized in that the displacers are downwardly open.

26. (Previously presented) The method according to Claim 1, characterized in that the reinforcing mesh is interconnected in order to be fixed.

27. (Cancelled)